

III. CLAIM AMENDMENTS

1. (Currently Amended) A method for refreshing memory cells in a dynamic memory (1), which comprising:

executing application programs under control of an operating system;

using the memory cells are used for storing information, wherein the application programs;

conducting refreshing is conducted in order to maintain the information application programs in the memory cells, the information;

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dividing the application programs stored in the memory cells at a given time is divided into information application programs to be maintained and information application programs not requiring maintenance,

wherein at least some of such memory cells which contain information application programs not requiring maintenance, remain unrefreshed, in which method application programs are executed, characterized in that;

dividing the memory cells of the dynamic memory (1) are divided into two or more blocks (5a, 5b, 5c, 5d) which can be refreshed irrespective of each other, that;

storing information on the location of each application program to be executed is stored, as well as and information on the quantity of memory allocated by each application program to be executed, and that it is determined; and

utilizing the operating system to determine on the basis of said stored information which of said memory blocks (5a, 5b, 5c, 5d) contains information requiring maintenance,

wherein other memory blocks (5a, 5b, 5c, 5d) ~~remain~~remain unrefreshed.

2. (Original) The method according to claim 1, characterized in that the dynamic memory (1) is a synchronous dynamic memory.

3. (Original) The method according to claim 1, characterized in that the dynamic memory (1) is an asynchronous dynamic memory.

4. (Currently Amended) An electronic device (17) comprising:

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a dynamic memory (1) with memory cells for storing information, application programs;

means (3, 7, 10) for refreshing the memory cells; ;

means (4a, 4b) for executing the application programs; ;

means (4a, 4b) for allocating a memory area from the dynamic memory (1) for each application program for the duration of its execution, and ;

means (4a, 4b) for deallocating said memory area after the execution of the application program, characterized in that the electronic device (17) also comprises ;

means (14a-14d, 15a-15d) for dividing the memory cells into two or more blocks (5a-5d), ;

means (3, 7, 8) for refreshing each block (5a-5d) substantially irrespective of each other; and

means ~~(4a, 4b)~~ for defining the need to maintain the information at least one of the application programs to be stored at a given time,

wherein information on the need to maintain the information at least one application program to be stored in the memory cells at a given time is arranged to be defined at least partly on the basis of the storage locations allocated for the application programs, and ~~that~~

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wherein the means for refreshing the memory cells comprise means ~~(3, 4a, 4b, 8)~~ for determining on the basis of said stored information which of said memory blocks ~~(5a, 5b, 5c, 5d)~~ ~~contains~~ information includes application programs requiring maintenance, wherein other memory blocks ~~(5a, 5b, 5c, 5d)~~ are arranged to remain unrefreshed.

5. (Original) The electronic device (17) according to claim 4, characterized in that the dynamic memory (1) comprises a synchronous dynamic memory.

6. (Original) The electronic device (17) according to claim 4, characterized in that the dynamic memory (1) comprises an asynchronous dynamic memory.

7. (Previously Presented) The electronic device (17) according to claim 4, characterized in that it is a communication device comprising mobile station functions.